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| Use Case ID | UC-XX | | | | |
| Use Case Name | Update categories | | | | |
| Created By | Mr. Apiwat Hantrakool | | Last Update By |  | |
| Date Created | 17-04-2017 | | Last Revision Date |  | |
| Actors | Librarian | | | | |
| Description | The librarian can update categories in the system, which are category name. | | | | |
| Trigger | The librarian click “Update category” button. | | | | |
| Preconditions | The librarian must search a book to find the book that will be updated. | | | | |
| Use Case Input Specification | | | | | |
| Input | type | Constraint | | | Example |
| Category name | String | string of length 20. | | | Biology |
| Category status | String | [active, not active] | | | active |
| Post conditions | Information of the book are updated to the database. | | | | |
| Normal Flows | User | | System | | |
| 1. |  | | The system displays the user interface for updating the book consisting 1 text fields, which are category name. And 1 data list, which is category status. | | |
| 2. | The librarian input category name to text fields. | |  | | |
| 3. | The librarian select category status. | |  | | |
| 4. |  | | The system shall display a button labeled as “Update category”. | | |
| 5. | The librarian click “Update category” button. | |  | | |
| 6. |  | | The system shall validate the input. [A1: category name is wrong in format] | | |
| 7. |  | | The system shall display a confirmation box with message “Are you confirm to update this category” and “Yes” button and “No” button. [E1: click “No” button] | | |
| 8. | The librarian click “Yes” button. | |  | | |
| 9. |  | | The system shall update the information of the book including category name and category status into the database. | | |
| 10. |  | | The system shall display the success message “The input is stored in the database” if the input is updated the database. [E2: Database cannot be connected] | | |
| Alternative Flow | A1: category name is wrong in format.   * The system shall display the fail message next to the category name text field “The format of category name is not valid” if the category name is in the wrong format. | | | | |
| Exception Flow | E1: click “No” button.   * Use case ends.   E2: Database cannot be connected.   * The system shall display the fail message “Fail to connect the database” if the database cannot be connected. | | | | |
| Assumption | The librarian must understand English. | | | | |